

We claim:

1. A composition comprising at least one liquid fatty phase which comprises:

- (i) at least one structuring polymer comprising:
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and
- (ii) at least one solid substance that has a melting point of about 45°C or greater,

wherein said at least one solid substance is not stearalkonium hectorite, silica, talc or paraffin wax.

2. A composition comprising at least one liquid fatty phase which comprises:

- (i) at least one structuring polymer comprising:
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

(ii) at least one solid substance that has a melting point of about 45°C or greater.

3. The composition according to claim 1 or 2, wherein the composition is in a form chosen from a fluid anhydrous gel, rigid anhydrous gel, fluid simple emulsion, rigid simple emulsion, fluid multiple emulsion, and rigid multiple emulsion.

4. The composition according to one of claims 1 to 3, wherein said composition is anhydrous.

5. An anhydrous composition comprising at least one liquid fatty phase which comprises:

- (i) at least one structuring polymer comprising:
a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and
- (ii) at least one solid substance that has a melting point of about 45°C or greater,

wherein said at least one solid substance is not stearalkonium hectorite.

6. The composition according to one of claims 1 to 5, wherein said at least one structuring polymer further comprises at least one of:

at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group.

7. The composition according to claim 6, wherein said alkyl chains and said alkenyl chains each comprise at least four carbon atoms.

8. The composition according to claim 6 or 7, wherein said alkyl chains and said alkenyl chains each comprise from 8 to 120 carbon atoms.

9. The composition according to one of claims 6 to 8, wherein said alkyl chains and said alkenyl chains each comprise from 12 to 68 carbon atoms.

10. The composition according to one of claims 6 to 9, wherein said at least one linking group is chosen from single bonds and urea, urethane, thiourea, thiourethane, thioether, thioester, ester, ether and amine groups.

11. The composition according to one of claims 6 to 10, wherein said at least one linking group is an ester group present in a proportion ranging from 15% to 40% of the total number of all ester and hetero atom groups in the at least one structuring polymer.

12. The composition according to one of claims 6 to 11, wherein said at least one linking group is chosen from ester and amine groups.

13. The composition according to one of claims 6 to 12, wherein said at least one linking group is an ester group present in a proportion ranging from 20% to 35% of the total number of all ester and hetero atom groups in the at least one structuring polymer.

14. The composition according to one of claims 6 to 13, wherein said at least one terminal fatty chain is functionalized.

15. The composition according to one of claims 6 to 14, wherein said at least one pendant fatty chain is functionalized.

16. The composition according to one of claims 6 to 15, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 40% to 98% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.

17. The composition according to one of claims 6 to 16, wherein in said at least one structuring polymer, the percentage of the total number of fatty chains ranges from 50% to 95% relative to the total number of all repeating units and fatty chains in the at least one structuring polymer.

18. The composition according to one of claims 1 to 17, wherein said at least one hydrocarbon based repeating unit comprises from 2 to 80 carbon atoms.

19. The composition according to one of claims 1 to 18, wherein said at least one hetero atom of said at least one hydrocarbon-based repeating unit is chosen from nitrogen, sulphur, and phosphorus.

20. The composition according to one of claims 1 to 19, wherein said at least one hetero atom is a nitrogen atom.

21. The composition according to one of claims 1 to 20, wherein said at least one hetero atom is combined with at least one atom chosen from oxygen and carbon to form a hetero atom group.

22. The composition according to claim 21, wherein said at least one hetero atom group is chosen from amide groups, carbamate groups, and urea groups.

23. The composition according to claim 21 or 22, wherein said at least one hetero atom group is an amide group and said polymer skeleton is a polyamide skeleton.

24. The composition according to claim 21 or 22, wherein said at least one hetero atom group is chosen from carbamate groups and urea groups and said polymer skeleton is chosen from a polyurethane skeleton, a polyurea skeleton and a polyurethane-polyurea skeleton.

25. A composition comprising at least one liquid fatty phase which comprises:

- (i) at least one structuring polymer, wherein said at least one structuring polymer is at least one polyamide polymer comprising:
 - a polymer skeleton which comprises at least one amide repeating unit; and
- (ii) at least one solid substance that has a melting point of about 45°C or greater,

wherein said at least one solid substance is not stearylalkonium hectorite, silica, talc or paraffin wax.

26. The composition according to claim 25, wherein said at least one polyamide polymer further comprises at least one of:

at least one terminal fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group; and

at least one pendant fatty chain chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via at least one linking group.

27. The composition according to claim 26, wherein said alkyl chains and said alkenyl chains each comprise at least four carbon atoms.

28. The composition according to claim 26 or 27, wherein said alkyl chains and said alkenyl chains each comprise from 8 to 120 carbon atoms.

29. The composition according to one of claims 26 to 28, wherein said alkyl chains and said alkenyl chains each comprise from 12 to 68 carbon atoms.

30. The composition according to one of claims 26 to 29, wherein said at least one linking group is chosen from single bonds and urea, urethane, thiourea, thiourethane, thioether, thioester, ester, ether and amine groups.

31. The composition according to one of claims 26 to 30, wherein said at least one linking group is chosen from ester and amine groups.

32. The composition according to one of claims 26 to 31, wherein said at least one linking group is an ester group present in a proportion ranging from 15% to 40% of the total number of all ester and amide groups in the at least one polyamide polymer.

33. The composition according to one of claims 26 to 32, wherein said at least one linking group is an ester group present in a proportion ranging from 20% to 35% of the total number of all ester and amide groups in the at least one polyamide polymer.

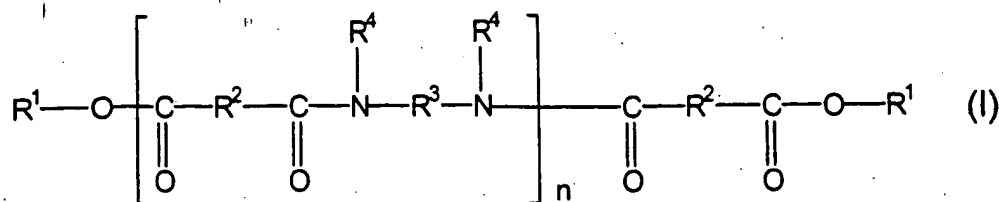
34. The composition according to one of claims 26 to 33, wherein said at least one terminal fatty chain is functionalized.

35. The composition according to one of claims 26 to 34, wherein said at least one pendant fatty chain is functionalized.

36. The composition according to one of claims 26 to 35, wherein in said at least one polyamide polymer, the percentage of the total number of fatty chains ranges from 40% to 98% relative to the total number of all amide units and fatty chains in the at least one polyamide polymer.

37. The composition according to one of claims 26 to 36, wherein in said at least one polyamide polymer, the percentage of the total number of fatty chains ranges from 50% to 95% relative to the total number of all amide units and fatty chains in the at least one polyamide polymer.

38. The composition according to one of claims 1 to 23 and 25 to 37, wherein said at least one structuring polymer is chosen from polyamide polymers of formula (I):



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;
- R¹, which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;
- R², which are identical or different, are each chosen from C₄ to C₄₂ hydrocarbon-based groups with the proviso that at least 50% of all R² are chosen from C₃₀ to C₄₂ hydrocarbon-based groups;
- R³, which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms, with the proviso that R³ comprises at least 2 carbon atoms; and
- R⁴, which are identical or different, are each chosen from hydrogen atoms, C₁ to C₁₀ alkyl groups and a direct bond to at least one group chosen from R³ and another R⁴ such that when said at least one group is chosen from another R⁴, the nitrogen atom to which both R³ and R⁴ are bonded forms part of a heterocyclic structure defined in part by R⁴-N-R³, with the proviso that at least 50% of all R⁴ are chosen from hydrogen atoms.

39. The composition according to claim 38, wherein in said formula (I), n is an integer ranging from 1 to 5.

40. The composition according to claim 38 or 39, wherein in said formula (I), said alkyl groups of R¹ and said alkenyl groups of R¹ each independently comprise from 4 to 24 carbon atoms.

41. The composition according to one of claims 38 to 40, wherein in said formula (I), R¹, which are identical or different, are each chosen from C₁₂ to C₂₂ alkyl groups.

42. The composition according to one of claims 38 to 41, wherein in said formula (I), R¹, which are identical or different, are each chosen from C₁₆ to C₂₂ alkyl groups.

43. The composition according to one of claims 38 to 42, wherein in said formula (I), R², which are identical or different, are each chosen from C₁₀

to C₄₂ hydrocarbon based groups with the proviso that at least 50% of all R² are chosen from C₃₀ to C₄₂ hydrocarbon based groups.

44. The composition according to one of claims 38 to 43, wherein in said formula (I), R³, which can be identical or different, are each chosen from C₂ to C₃₆ hydrocarbon-based groups and polyoxyalkylene groups.

45. The composition according to one of claims 38 to 44, wherein R³, which can be identical or different, are each chosen from C₂ to C₁₂ hydrocarbon-based groups.

46. The composition according to one of claims 38 to 45, wherein in said formula (I), R⁴, which can be identical or different, are each chosen from hydrogen atoms.

47. The composition according to one of claims 38 to 46, wherein said at least one polymer of formula (I) is in the form of a mixture of polymers, wherein said mixture optionally also comprises a compound of formula (I) wherein n is equal to zero.

48. The composition according to one of claims 1 to 47, wherein said at least one structuring polymer has a weight-average molecular mass of less than 100,000.

49. The composition according to one of claims 1 to 48, wherein said at least one structuring polymer has a weight-average molecular mass of less than 50,000.

50. The composition according to one of claims 1 to 49, wherein said at least one structuring polymer has a weight-average molecular mass ranging from 1000 to 30,000.

51. The composition according to one of claims 1 to 50, wherein said at least one structuring polymer has a softening point greater than 50°C.

52. The composition according to one of claims 1 to 51, wherein said at least one structuring polymer has a softening point less than 150°C.

53. The composition according to one of claims 1 to 52, wherein said at least one structuring polymer has a softening point ranging from 70°C to 130°C.

54. The composition according to one of claims 1 to 53, wherein said at least one structuring polymer is present in the composition in an amount ranging from 0.5% to 80% by weight relative to the total weight of the composition.

55. The composition according to one of claims 1 to 54, wherein said at least one structuring polymer is present in the composition in an amount

rahging from 2% to 60% by weight relative to the total weight of the composition.

56. The composition according to one of claims 1 to 55, wherein said at least one structuring polymer is present in the composition in an amount ranging from 5% to 40% by weight relative to the total weight of the composition.

57. The composition according to one of claims 1 to 56, wherein said composition has a hardness ranging from 30 gf to 300 gf.

58. The composition according to one of claims 1 to 57, wherein said composition has a hardness ranging from 30 gf to 250 gf.

59. The composition according one of claims 1 to 58, wherein said at least one liquid fatty phase of the composition comprises at least one oil chosen from at least one polar oil and at least one apolar oil having an affinity with said at least one structuring polymer.

60. The composition according to claim 59, wherein said at least one polar oil is chosen from:

- hydrocarbon-based plant oils with a high content of triglycerides comprising fatty acid esters of glycerol in which the fatty acids comprise chains having from 4 to 24 carbon atoms, said chains optionally being chosen from linear and branched, and saturated and unsaturated chains;
- synthetic oils or esters of formula R_5COOR_6 in which R_5 is chosen from linear and branched fatty acid residues comprising from 1 to 40 carbon atoms and R_6 represents an alkyl groups having from 1 to 40 carbon atoms, with the proviso that $R_5 + R_6 \geq 10$;
- synthetic ethers containing from 10 to 40 carbon atoms;
- C_8 to C_{26} fatty alcohols; and
- C_8 to C_{26} fatty acids.

61. The composition according to claim 59, wherein said at least one apolar oil is chosen from:

- silicone oils chosen from volatile and non-volatile, linear and cyclic polydimethylsiloxanes that are liquid at room temperature;
- polydimethylsiloxanes comprising alkyl or alkoxy groups which are pendant and/or at the end of the silicone chain, the groups each containing from 2 to 24 carbon atoms;
- phenylsilicones; and
- hydrocarbons chosen from linear and branched, volatile and non-volatile hydrocarbons of synthetic and mineral origin,

62. The composition according to one of claim 1 to 61, wherein said at least one liquid fatty phase comprises at least one non-volatile oil.

63. The composition according to one of claim 1 to 62, wherein said at least one liquid fatty phase is present in an amount ranging from 1% to 99% by weight relative to the total weight of the composition.

64. The composition according to one of claim 1 to 63, wherein said at least one liquid fatty phase is present in an amount ranging from 10% to 80% by weight relative to the total weight of the composition.

65. The composition according to one of claim 1 to 64, wherein said at least one liquid fatty phase comprises at least one volatile solvent chosen from hydrocarbon-based solvents and silicone solvents optionally comprising alkyl or alkoxy groups that are pendant or at the end of a silicone chain.

66. The composition according to one of claim 1 to 65, wherein said at least one solid substance has a melting point of about 50°C or greater.

67. The composition according to one of claim 1 to 66, wherein said at least one solid substance has a melting point ranging from about 50°C to about 150°C.

68. The composition according to one of claim 1 to 67, wherein said at least one solid substance has a melting point ranging from about 60°C to about 130°C.

69. The composition according to one of claim 1 to 68, wherein said at least one solid substance comprises at least one crystallizable portion.

70. The composition according to one of claim 1 to 69, wherein said at least one solid substance is chosen from waxes, fillers, glitters, and solid polymers.

71. The composition according to claim 70, wherein said waxes are chosen from carnauba wax, candellila wax, candelilla wax, ouricury wax, Japan wax, cork fiber wax, sugar cane wax, lignite wax, microcrystalline waxes, lanolin wax, montan wax, polyethylene waxes, waxes obtained by Fischer-Tropsch synthesis, and silicone waxes.

72. The composition according to one of claim 1 to 71, wherein said at least one solid substance is present at a concentration of at least 5% relative to the total weight of said composition.

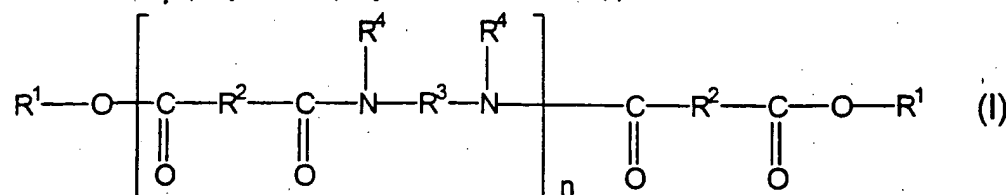
73. The composition according to one of claim 1 to 72, wherein said at least one solid substance is present at a concentration ranging from 10% to 70% relative to the total weight of the composition.

74. The composition according to one of claim 1 to 73, wherein said at least one solid substance is present at a concentration ranging from 10% to 50% relative to the total weight of the composition.

75. The composition according to one of claim 1 to 74, wherein said composition is a solid.

76. The composition according to one of claim 1 to 75, wherein said composition is a solid chosen from molded and poured sticks.

77. A structured composition comprising at least one liquid fatty phase structured with at least one structuring polymer, wherein said polymer is chosen from polyamide polymers of formula (I) :



in which:

- n is an integer which represents the number of amide units such that the number of ester groups present in said at least one polyamide polymer ranges from 10% to 50% of the total number of all ester groups and all amide groups comprised in said at least one polyamide polymer;
- R^1 , which are identical or different, are each chosen from alkyl groups comprising at least 4 carbon atoms and alkenyl groups comprising at least 4 carbon atoms;
- R^2 , which are identical or different, are each chosen from C_4 to C_{42} hydrocarbon-based groups with the proviso that at least 50% of all R^2 are chosen from C_{30} to C_{42} hydrocarbon-based groups;
- R^3 , which are identical or different, are each chosen from organic groups comprising atoms chosen from carbon atoms, hydrogen atoms, oxygen atoms and nitrogen atoms, with the proviso that R^3 comprises at least 2 carbon atoms; and
- R^4 , which are identical or different, are each chosen from hydrogen atoms, C_1 to C_{10} alkyl groups and a direct bond to at least one group chosen from R^3 and another R^4 such that when said at least one group is chosen from another R^4 , the nitrogen atom to which both R^3 and R^4 are bonded forms part of a heterocyclic structure defined in part by R^4-N-R^3 , with the proviso that at least 50% of all R^4 are chosen from hydrogen atoms.

78. The composition according to claim 77 wherein in said formula (I) n is an integer from 1 to 5.

79. The composition according to one claims 25 to 53 and 77, wherein said at least one polyamide polymer is chosen from polymers resulting from at least one polycondensation reaction between at least one dicarboxylic acid comprising at least 32 carbon atoms and at least one amine chosen from diamines comprising at least 2 carbon atoms and triamines comprising at least 2 carbon atoms.

80. The composition according to claim 79, wherein said at least one dicarboxylic acid comprises from 32 to 44 carbon atoms and said at least one amine comprises from 2 to 36 carbon atoms.

81. The composition according to claim 79 or 80, wherein said at least one dicarboxylic acid is chosen from dimers of at least one fatty acid comprising at least 16 carbon atoms.

82. The composition according to claim 81, wherein said at least one fatty acid is chosen from oleic acid, linoleic acid and linolenic acid.

83. The composition according to one of claims 79 to 82, wherein said at least one amine is chosen from ethylenediamine, hexylenediamine, hexamethylenediamine, phenylenediamine and ethylenetriamine.

84. The composition according to one of claims 79 to 83, wherein said at least one polyamide polymer is chosen from polymers comprising at least one terminal carboxylic acid group.

85. The composition according to claim 84, wherein said at least one terminal carboxylic acid group is esterified with at least one alcohol chosen from monoalcohols comprising at least 4 carbon atoms.

86. A mascara, an eyeliner, a foundation, a lipstick, a blusher, a make-up-removing product, a make-up product for the body, an eyeshadow, a face powder, a concealer product, a shampoo, a conditioner, an antisen product or a care product for the skin, lips or hair comprising a composition comprising at least one liquid fatty phase in said mascara, eyeliner, foundation, lipstick, blusher, make-up-removing product, make-up product for the body, eyeshadow, face powder, concealer product, shampoo, conditioner, antisen product or care product for the skin, lips or hair which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one solid substance that has a melting point of about 45°C or greater.

87. The composition according to claim 86, wherein said composition is a solid.

88. An anhydrous deodorant comprising:
 at least one liquid fatty phase which comprises:
 (i) at least one structuring polymer comprising:
 a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and
 (ii) at least one solid substance that has a melting point of about 45°C or greater.

89. The composition according to claim 88, wherein said composition is a solid.

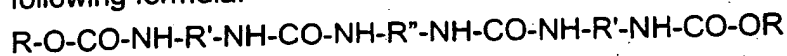
90. A make-up and/or care and/or treatment composition for keratinous fibers comprising:

at least one liquid fatty phase which comprises:
 (i) at least one structuring polymer comprising:
 a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and
 (ii) at least one solid substance that has a melting point of about 45°C or greater.

91. A lipstick composition in stick form comprising at least one continuous liquid fatty phase, at least one solid substance that has a melting point of about 45°C or greater, and at least one non-waxy structuring polymer having a weight-average molecular mass of less than 100,000, said at least one continuous liquid fatty phase, said at least one solid substance, and said at least one non-waxy structuring polymer being present in said lipstick composition.

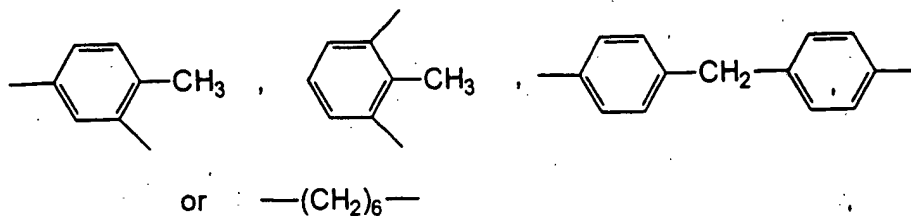
92. A composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer chosen from urea urethanes having the following formula:

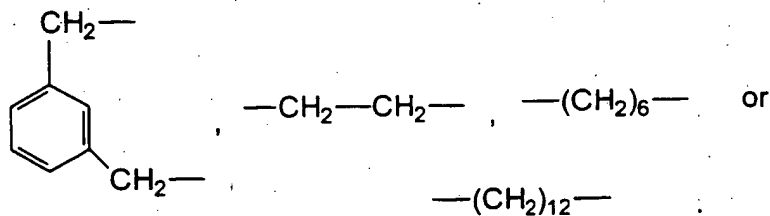
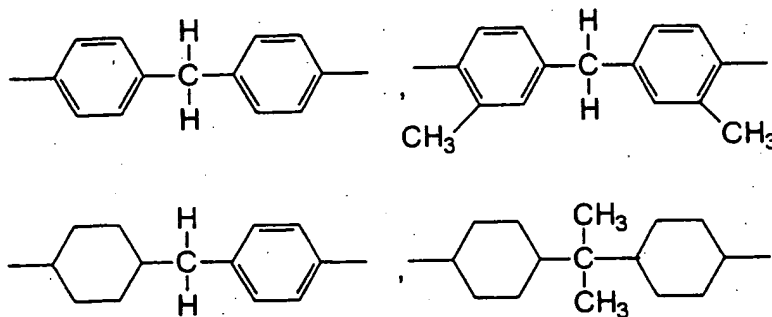


wherein R represents $\text{C}_n\text{H}_{2n+1}-$, wherein n represents an integer having a value greater than 22 or $\text{C}_m\text{H}_{2m+1}(\text{OC}_p\text{H}_{2p})_r-$, wherein m represents an integer having a value of greater than 18, p represents an integer having a value of from 2 to 4, and r represents an integer having a value of from 1 to 10.

R' represents:



and R" represents:



(ii) at least one solid substance that has a melting point of about 45°C or greater.

93. A make up, care, or treatment composition for the skin or lips comprising a structured composition comprising at least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom, at least one solid substance that has a melting point of about 45°C or greater, and at least one coloring agent.

94. A treatment, care or make-up composition for keratinous fibers comprising a structured composition containing at least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom, at least one solid substance that has a melting point of about 45°C or greater, and at least one coloring agent.

95. A structured composition comprising at least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit

comprising at least one hetero atom, wherein the at least one structuring polymer further comprises at least one terminal fatty chain, optionally functionalized, chosen from alkyl chains and alkenyl chains, wherein said at least one terminal fatty chain is bonded to said polymer skeleton via at least one linking group chosen from amides, ureas, and esters, wherein when said at least one linking group is chosen from esters, said at least one terminal fatty chain is chosen from branched alkyl groups and at least one solid substance that has a melting point of about 45°C or greater.

96. A composition according to claim 95, wherein said at least one structuring polymer may also comprise at least one pendant fatty chain, optionally functionalized, chosen from alkyl chains and alkenyl chains, wherein said at least one pendant fatty chain is bonded to said polymer skeleton via bonded to any carbon or hetero atom of the polymer skeleton via at least one linking group chosen from amides, ureas, and esters, wherein when said at least one linking group is chosen from esters, said at least one pendant fatty chain is chosen from branched alkyl groups.

97. A method for care, make up, or treatment of a keratin material chosen from lips, skin, and keratinous fibers, comprising the application to said keratin material of a cosmetic composition comprising:
at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one solid substance that has a melting point of about 45°C or greater.

98. A method for making a cosmetic composition in the form of a physiologically acceptable composition comprising including in said composition at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one solid substance that has a melting point of about 45°C or greater,

wherein said at least one solid substance is not stearylalkonium hectorite, silica, talc or paraffin wax.

99. A method for providing at least one of resistance to shear and stability to a cosmetic composition, comprising including in said cosmetic composition at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least one hydrocarbon-based repeating unit comprising at least one hetero atom; and

(ii) at least one solid substance that has a melting point of about 45°C or greater, wherein said at least one solid substance is not stearalkonium hectorite, silica, talc or paraffin wax,

and further wherein said at least one structuring polymer and said at least one solid substance are present in a combined amount effective to provide at least one property chosen from resistance to shear and stability.

100. The composition according to one of claims 1 to 85, wherein said at least one solid substance has a melting point of about 47°C or greater.

101. An anhydrous composition comprising at least one liquid fatty phase which comprises:

(i) at least one structuring polymer comprising:

a polymer skeleton which comprises at least three hydrocarbon-based repeating units comprising at least one hetero atom; and

(ii) at least one solid substance that has a melting point of about 45°C.

102. An anhydrous composition according to claim 101, wherein said at least three hydrocarbon-based repeating units are identical.

103. A treatment, care or make-up composition for skin or lips comprising a structured composition containing at least one liquid fatty phase structured with at least one structuring polymer comprising a polymer skeleton comprising at least one hydrocarbon-based repeating unit comprising at least one hetero atom, and at least one solid substance that has a melting point of about 45°C or greater.